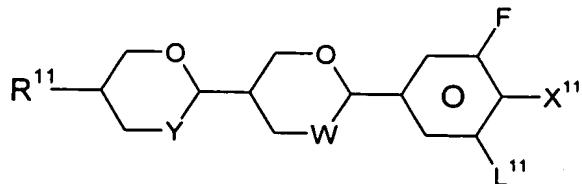


Patent Claims

1. Liquid-crystalline compounds of the formula I

5



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in which

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R^{11} denotes H, an alkyl or alkoxy radical having 1 to 15 carbon atoms or alkenyl or alkenyloxy radical having 2 to 15 carbon atoms, each of which is unsubstituted or mono- or polysubstituted by halogen, where, in addition, one or more CH_2 groups in these radicals may each, independently of one another, be replaced by $-C\equiv C-$, $-CH=CH-$,   $-O-$, $-CO-$, $-CO-O-$ or $-O-CO-$ in such a way that O atoms are not linked directly to one another,

20

X^{11} denotes F, Cl, CN, NCS, SF_5 , fluoroalkyl or fluoroalkoxy having 1 to 7 carbon atoms or fluoroalkenyl or fluoroalkenyloxy having 2 to 7 carbon atoms;

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L^{11} denotes H or F, and

Y stands for O and W stands for CH_2 or Y stands for CH_2 and W stands for O or Y and W both stand for CH_2 .

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2. Liquid-crystalline compounds according to Claim 1, characterised in that L^{11} denotes F.
3. Liquid-crystalline compounds according to Claim 1 or 2, characterised in that R^{11} denotes a straight-chain alkyl or alkenyl radical having up to 7 carbon atoms.

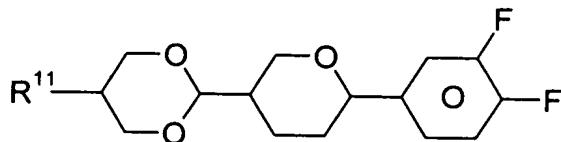
4. Liquid-crystalline compounds according to one of Claims 1 to 3, characterised in that X^{11} denotes F, Cl, , SF_5 , CN, OCF_3 or $OCHF_2$.

5. 5. Liquid-crystalline compounds according to one of Claims 1 to 4, characterised in that Y stands for O and W stands for CH_2 .

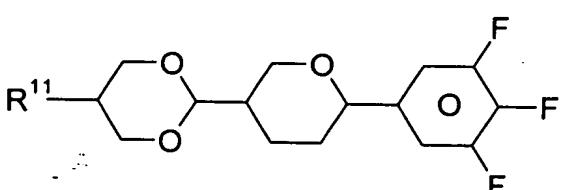
6. 10. Liquid-crystalline compounds according to one of Claims 1 to 4, characterised in that Y stands for CH_2 and W stands for O.

7. 15. Liquid-crystalline compounds according to one of Claims 1 to 4, characterised in that Y and W both stand for CH_2 .

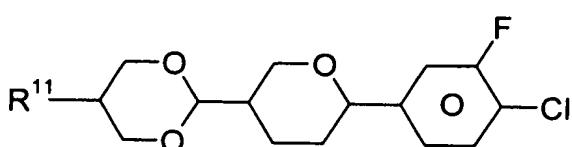
8. 15. Liquid-crystalline compounds according to Claim 1, selected from the group consisting of compounds of the formulae I1 to I30:



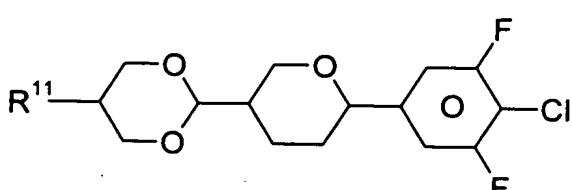
I1



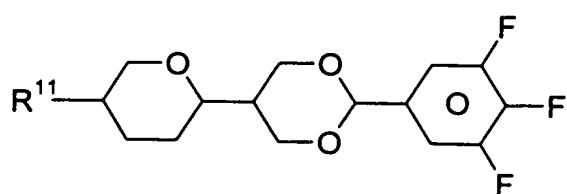
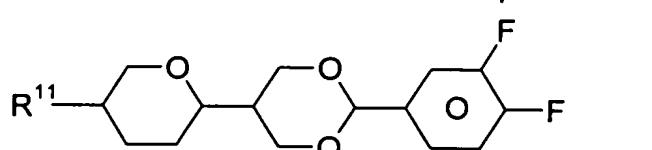
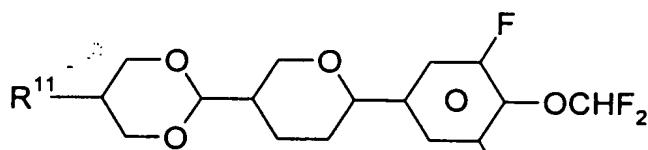
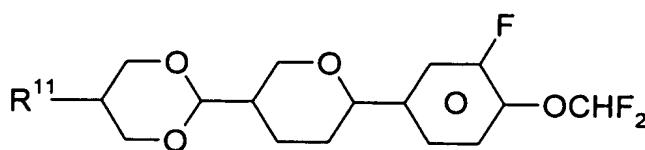
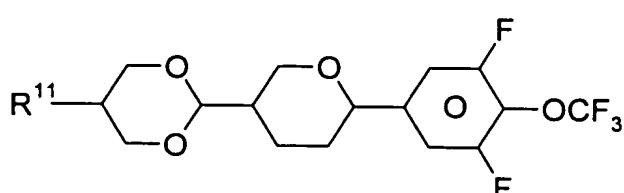
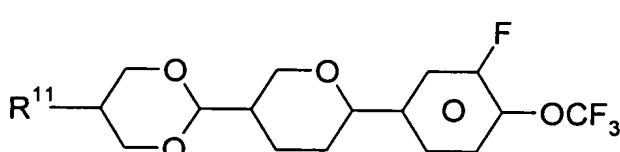
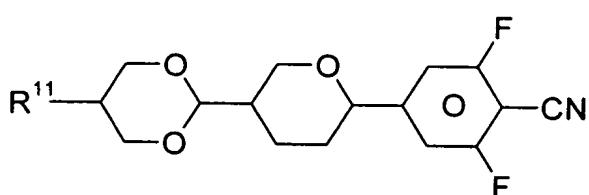
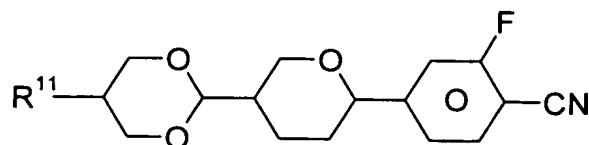
I2

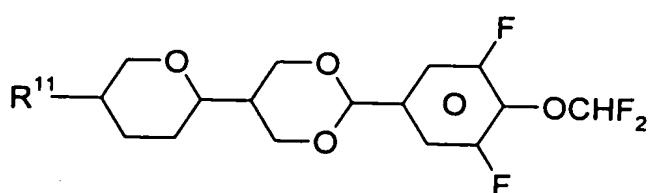
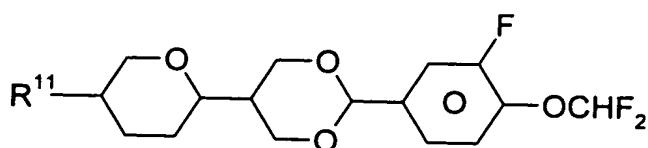
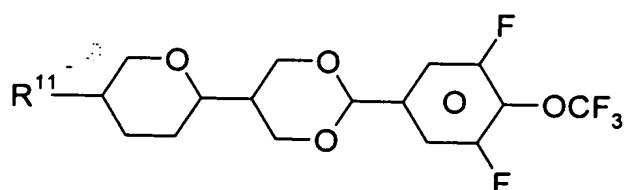
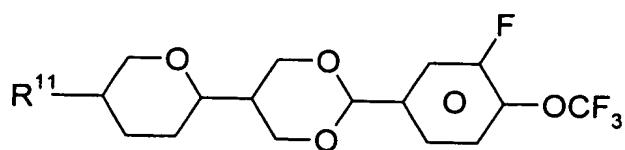
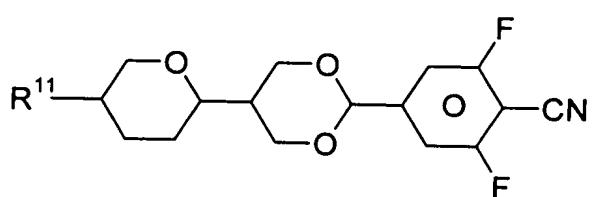
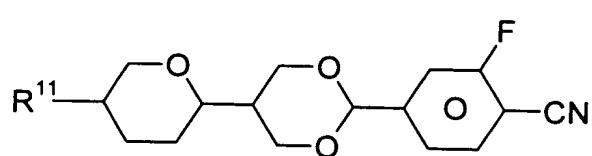
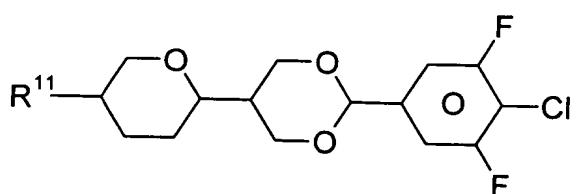
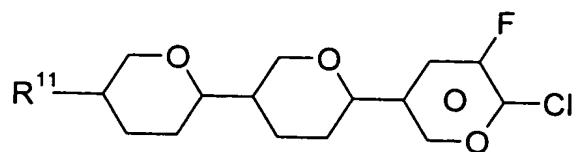


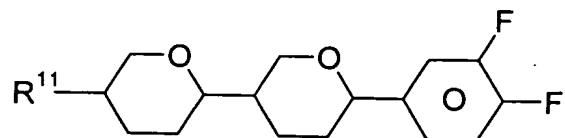
I3



I4

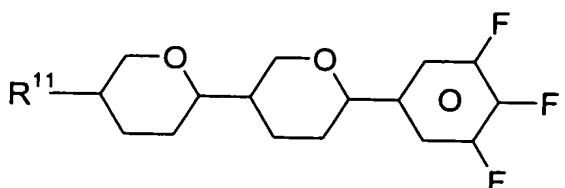






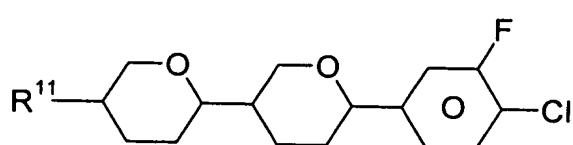
I21

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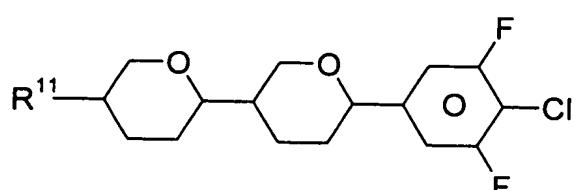
I22

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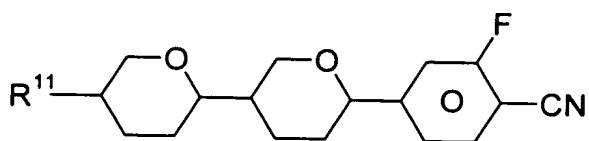
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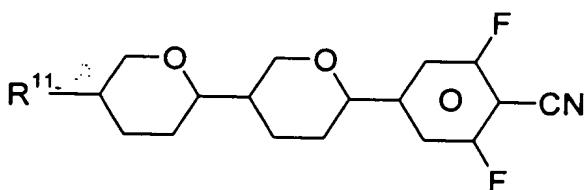
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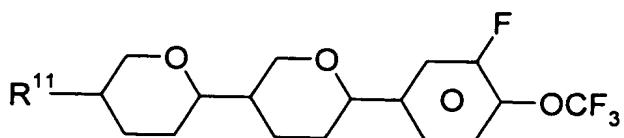
I25

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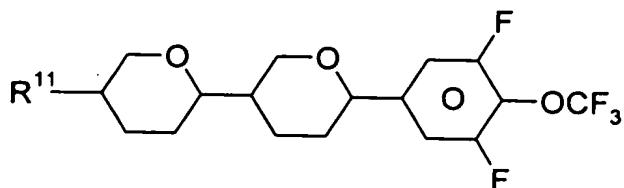
I26

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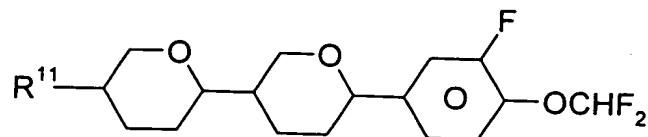


I27

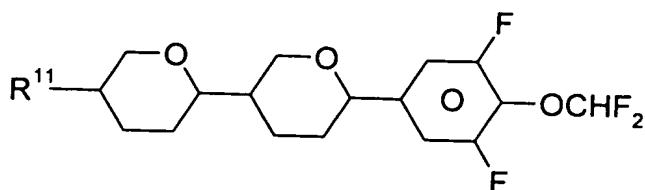
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I28



I29



I30

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10 where R¹¹ has the meanings indicated in Claim 1.

9. Use of one or more compounds of the formula I according to one of Claims 1 to 8 as components in a liquid-crystalline medium.
- 15 10. Liquid-crystalline medium having at least two liquid-crystalline compounds, characterised in that it comprises at least one compound of the formula I according to one of Claims 1 to 8.
- 20 11. Use of the liquid-crystalline medium according to Claim 10 for electro-optical purposes.
12. Electro-optical liquid-crystal display containing a liquid-crystalline medium according to Claim 10.

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